

### Amendments to the Claims:

Please cancel claim 1 without prejudice or disclaimer of the subject matter thereof, rewrite claims 2 and 3 in independent form, amend claim 4 and add the following new dependent claim 5.

This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims:

Claim 1 (canceled)

2. (currently amended) ~~The A probe coil for the an NMR apparatus according to claim 1, which uses a superconductor formed from a conductor made of magnesium 2-boride formed on the surface of a substrate made of a flexible organic polymer material,~~ wherein the substrate is made of an organic material that contains no hydrogen atoms.

3. (currently amended) ~~The A probe coil for the an NMR apparatus according to claim 1, which uses a superconductor formed from a conductor made of magnesium 2-boride formed on the surface of a substrate made of a flexible organic polymer material,~~ wherein the substrate is made of a material, all or part of hydrogen atoms contained in the substrate being substituted with heavy hydrogen atoms.

4. (currently amended) The probe coil for the NMR apparatus according to claim 4 2, wherein the probe coil is constituted by any one of a saddle type, a bird

cage type, a ~~Hemholtz~~ Helmholtz type, a one-turn type, a solenoid type, a pancake type and combinations thereof.

5. (new) The probe coil for the NMR apparatus according to claim 3, wherein the probe coil is constituted by any one of a saddle type, a bird cage type, a Helmholtz type, a one-turn type, a solenoid type, a pancake type and combinations thereof.